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Terms	Documents
L1 and (PVC or polyvinyl chloride)	19

Database:

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DB=DWPI; PLUR=YES; OP=ADJ

<u>L3</u>	L1 and (PVC or polyvinyl chloride)	19	<u>L3</u>
<u>L2</u>	L1 and (crystallizable)	0	<u>L2</u>
<u>L1</u>	\$2polyester and extru\$4 and (metal with (surface or substrate))	197	<u>L1</u>

END OF SEARCH HISTORY

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Search Results -

Terms	Documents
L1 and (metal with (surface or substrate or layer))	21

Database:

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side by side		result set	
<i>DB=DWPI; PLUR=YES; OP=ADJ</i>			
<u>L2</u>	L1 and (metal with (surface or substrate or layer))	21	<u>L2</u>
<u>L1</u>	\$2polyester and (blend\$3 or mix\$4) and crystalli\$5 and (non\$1crystalli\$5 or amorphous)	353	<u>L1</u>

END OF SEARCH HISTORY

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L3: Entry 7 of 19

File: DWPI

Jan 10, 1992

DERWENT-ACC-NO: 1992-061522

DERWENT-WEEK: 199208

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TITLE: Resin-coated metallic prod. - comprises metal substrate melt laminated with thermoplastic adhesive resin and PVC resin

PRIORITY-DATA: 1990JP-0111031 (April 25, 1990)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 04007142 A	January 10, 1992		000	

INT-CL (IPC): B32B 15/08

ABSTRACTED-PUB-NO: JP 04007142A

BASIC-ABSTRACT:

The surface of a metal prod. is melt laminated with a thermoplastic adhesive resin having a melt index = 0.01-5 as measured at 180 deg C and a load = 2.16 kg and polyvinyl chloride resin having a polymerisation deg. = 400-1300.

The metal substrate is e.g., Al, steel, Cu, etc. and pretreated by degreasing, pickling or blasting to remove impurities and fouling. The polyvinyl chloride resin is e.g. polyvinyl chloride homopolymer, vinyl chloride/vinyl acetate copolymer, ethylene/vinyl chloride/vinyl acetate terpolymer, ethylene/vinyl acetate copolymer, etc. having the specified deg. of polymerisation for providing high mouldability, mechanical and chemical properties and blended opt. with a stabiliser, working aid, lubricant, impact resistance improver, etc. The adhesive resin is pref. satd. crystalline polyester resin, polyamide resin or resin of hot melt type blended with an inorganic filler or a crosslinked partly to provide a high mol. wt. or blended with a resin having a high melt viscosity to control the melt index = 0.01-5. The lamination of adhesive resin and polyvinyl chloride resin are coated on the metal substrate by the co-extrusion.

ADVANTAGE - The adhesive layer and the polyvinyl chloride resin layer are melt laminated uniformly and firmly with the metal substrate.